G01399 OGC # 21767 CONFIDENTIAL

CORNISH

WIRELINE SERVICES, INC.
P.O. DRAWER H
CHANUTE, KANSAS
PHONE 431-9908

CEMENT BOND — VARIABLE DENSITY

FILING NO.

COMPANY CARMEL ENERGY, INC.
WELL IDA FAUVERGUE NO. IF-N12L
FIELD
COUNTY VERNON STATE MO. OIL & GAS COUNCIL MISSOURI

APR 05 1985

LOCATION 2238.15' W TO W/L
2396.04' S TO S/L
Sec. 33 Twp. 35N Rge. 33W

OTHER SERVICES:
MSG: 3-18-85

Permanent Datum: GROUND LEVEL, Elev.
Log Measured from G.L. Ft. Above Perm. Datum
Drilling Measured From G.L.

Elev.: K.B. D.F. G.L.

Date	3-18-85		Type Fluid in Hole		WATER/FULL
Run No.	1 NW		Dens.	Visc.	
Depth—Driller			Max. Rec. Temp.		
Depth—Logger	161.5'		Est. Cement Top		
Btm. Log Interval	155.7'		Equip.	Location	104 C., KS.
Top Log Interval	7'		Recorded By		GORMLEY, R.
Open Hole Size			Witnessed By		STUESSE, G.

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prot. String						
Prod. String	4½"				0	T.D.
Liner						

PRIMARY CEMENTING DATA

STRING	Surface	Protection	Production	Liner
Vol. of cement				
Type of cement				
Additive				
Additive by %				
Retarder				
Retarder by %				
Wt. of slurry				
Water loss				
Drill. mud type				
Drilling mud wt.				

FOLD HERE

COMPRESSIVE STRENGTH (p.s.i. | Curing Temp.)

Time Elapsed	Surface		Protective		Production		Liner	
24 hrs.		°F		°F		°F		°F
48 hrs.		°F		°F		°F		°F
72 hrs.		°F		°F		°F		°F

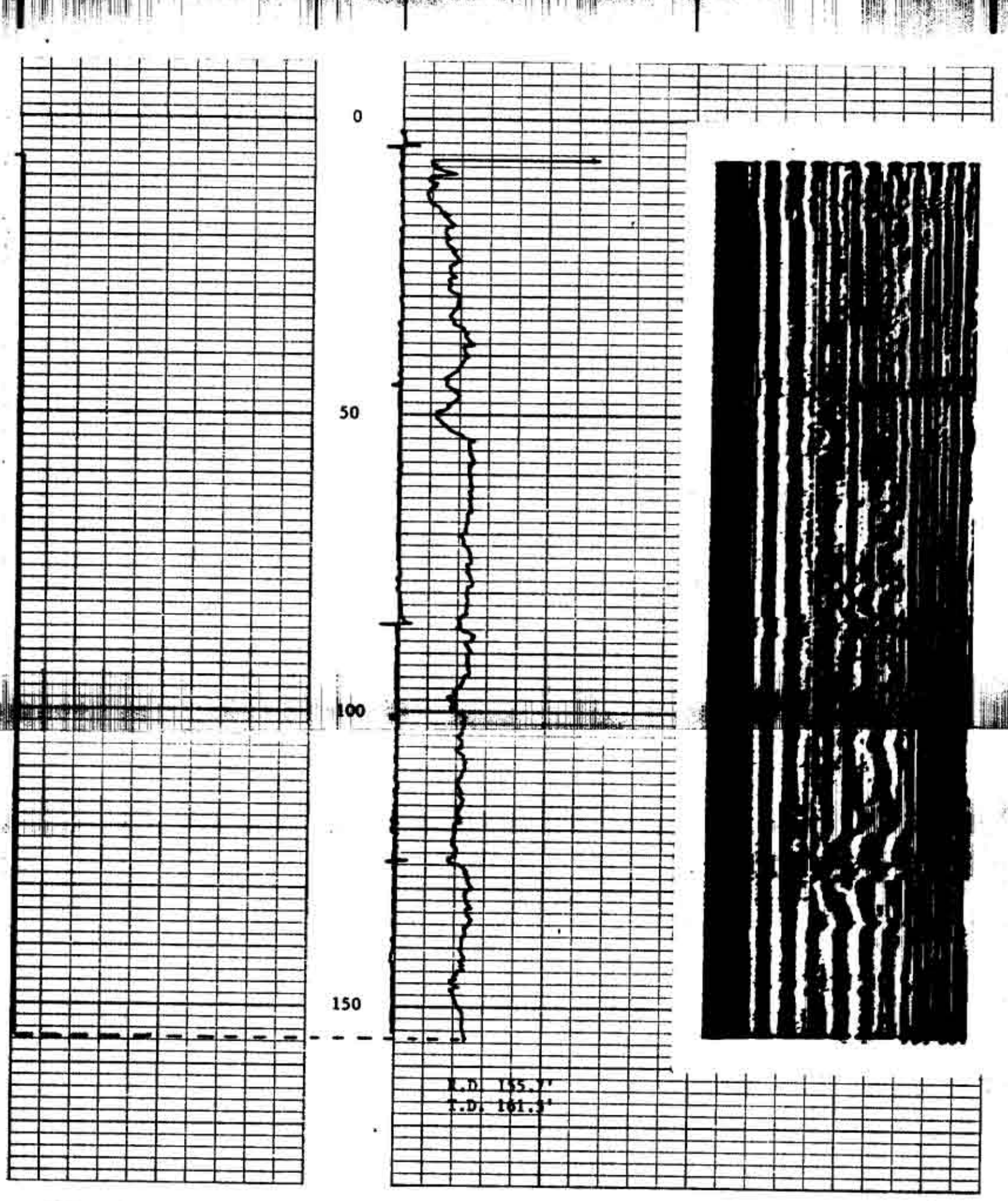
PRIMARY CEMENTING PROCEDURE

	Hour — date	Hours from start of operation
Started pumping cement		
Plug on bottom		
Release pressure		
Start Cement Bond Log		
Finish Cement Bond Log		

Equipment Data
Type standoff
Logging speed
Bias: Max.
Cartridge No.
Spacing

Preceding fluid _____ Volume _____ bbls.
Returns: Full _____ Partial _____ None _____

Pipe reciprocated during Pumping: Yes _____ No _____
Pipe reciprocated after plug down: Yes _____ min., No _____



IDA FAUVERGUE NO. IF-N12L

CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

MARCH 18, 1985

BOND/MSG

33/35N/33W

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